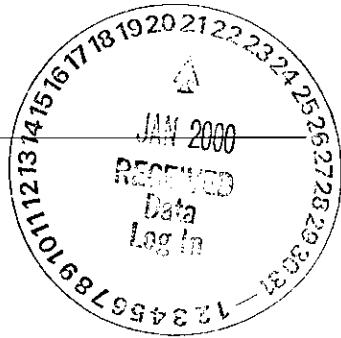




**RECRA  
LabNet**

a division of Recra Environmental, Inc.  
Virtual Laboratories Everywhere



**Recra LabNet Philadelphia**  
**Analytical Report**  
**\*\*REVISION\*\***

**Client : TNU-HANFORD B99-078**  
**RFW# : 9908L930**  
**SDG# : H0508**  
**SAF# : B99-078**

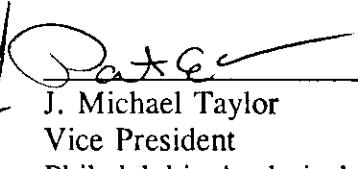
**W.O. # : 10985-001-001-9999-00**  
**Date Received: 01/14/2000**

**RECEIVED**  
**FEB 28 2000**

**EDMC**

This report is revised to include matrix quality control analyses for Nitrate Nitrite.

1. This narrative covers the analyses of 8 soil samples.
2. The samples were prepared and analyzed in accordance with the methods indicated on the attached glossary.
3. Sample holding times as required by the method and/or contract were met.
4. The cooler temperatures were recorded on the chain-of-custody.
5. The method blanks were within method criteria.
6. The Laboratory Control Samples (LCS) were within the laboratory control limits. The duplicate LCS were within the 20% Relative Percent Difference (RPD) control limit.
7. The matrix spike recoveries were within the 75-125% control limits. The matrix spike duplicates were within the 20% RPD control limit.
8. The replicate analyses were within the 20% RPD control limit with the exception of Nitrate Nitrite which may be attributed in sample inhomogeneity.
9. Results for solid samples are reported on a dry weight basis.

  
J. Michael Taylor  
Vice President  
Philadelphia Analytical Laboratory

1-17-00  
Date

njp\i08-930r

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 21 pages.

Recra LabNet Philadelphia

**WET CHEMISTRY**  
**METHODS GLOSSARY FOR SOIL/SOLIDS SAMPLE ANALYSIS**

	<u>ASTM</u>	<u>SW846</u>	<u>OTHER</u>
% Ash	— D2216-80		
% Moisture	— D2216-80		ILMO4.0 (e)
% Solids	✓ D2216-80		ILMO4.0 (e)
% Volatile Solids	— D2216-80		
ASTM Extraction in Water	— D3987-81/85		
BTU	— D240-87		
CEC		9081	— c
Chromium VI		✓ 3060A/7196A	
Corrosivity <input type="checkbox"/> by coupon <input type="checkbox"/> by pH		1110(mod) — 9045C	
Cyanide, Total		✓ 9010B	ILMO4.0 (e)
Cyanide, Reactive		— Section 7.3	
Halides, Extractable Organic		9020B	EPA 600/4/84-008
Halides, Total		9020B	EPA 600/4/84-008
EP Toxicity		1310A	
Flash Point		1010	
Ignitability		1010	
Oil & Grease		9071A	
Carbon, Total Organic		9060	Lloyd Kahn (mod)
Oxygen Bomb Prep for Anions	— D240-87(mod)	5050	
Petroleum Hydrocarbons, Total Recoverable		9071	EPA 418.1
pH, Soil		✓ 9045C	
Sulfide, Reactive		— Section 7.3	
Sulfide		✓ 9030B(mod)	
Specific Gravity	— D1429-76C/	— D5057-90	
Sulfur, Total		9056	
Synthetic Preparation Leach		1312	
Paint Filter		9095A	
Other: <u>Nitrate Nitrite</u>		Method: EPA 353.2	
Other: <u>Ammonia</u>		Method: EPA 352.3	

*Guanide, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate, Sulphite* } EPA 300.0

**Recra LabNet Philadelphia**  
**METHOD REFERENCES AND DATA QUALIFIERS**

**DATA QUALIFIERS**

U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.

\* = Indicates that the original sample result is greater than 4x the spike amount added.

**ABBREVIATIONS**

MB = Method or Preparation Blank.

MS = Matrix Spike.

MSD = Matrix Spike Duplicate.

REP = Sample Replicate

LC = Laboratory Control Sample.

NC = Not calculated.

A suffix of -R, -S, or -T following these codes indicate a replicate, spike or sample duplicate analysis respectively.

**ANALYTICAL WET CHEMISTRY METHODS**

1. ASTM Standard Methods.
2. USEPA Methods for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020).
3. Test Methods for Evaluating Solid Waste (USEPA SW-846).
  - a. Standard Methods for the Examination of Water and Waste, 16 ed, (1983).
  - b. Standard Methods for the Examination of Water and Waste, 17 ed, (1989)/18ed (1992).
  - c. Method of Soil Analysis, Part 1, Physical and Mineralogical Methods, 2nd ed, (1986).
  - d. Method of Soil Analysis, Part 2, Chemical and Microbiological Properties, Am. Soc. Agron., Madison, WI (1965).
  - e. USEPA Contract Laboratory Program, Statement of Work for Inorganic Analysis.
  - f. Code of Federal Regulations.

## Recra LabNet - Lionville

## INORGANICS DATA SUMMARY REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 9908L930

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-001	BOW899	% Solids	96.6	%	0.01	1.0
		Chloride by IC	1.9	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u	MG/KG 2.6	1.0
		Nitrite by IC	1.3	u	MG/KG 1.3	1.0
		Nitrate by IC	23		MG/KG 1.3	1.0
		Cyanide, Total	0.52	u	MG/KG 0.52	1.0
		Phosphate by IC	1.4		MG/KG 1.3	1.0
		Chromium VI	0.41	u	MG/KG 0.41	1.0
		Sulfate by IC	19.8		MG/KG 1.3	1.0
		Nitrate Nitrite	5.2		MG/KG 0.21	1.0
		Ammonia, as N	1.3	u	MG/KG 1.3	1.0
		pH	9.1		SOIL PH 0.0	1.0
		Sulfide	1.0	u	MG/KG 1.0	1.0
-002	BOW8B2	% Solids	95.6	%	0.01	1.0
		Chloride by IC	3.6	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u	MG/KG 2.6	1.0
		Nitrite by IC	1.3	u	MG/KG 1.3	1.0
		Nitrate by IC	65		MG/KG 2.6	2.0
		Cyanide, Total	0.52	u	MG/KG 0.52	1.0
		Phosphate by IC	2.1		MG/KG 1.3	1.0
		Chromium VI	0.42	u	MG/KG 0.42	1.0
		Sulfate by IC	14.8		MG/KG 1.3	1.0
		Nitrate Nitrite	14.6		MG/KG 1.0	5.0
		Ammonia, as N	1.3	u	MG/KG 1.3	1.0
		pH	9.2		SOIL PH 0.0	1.0
		Sulfide	1.0	u	MG/KG 1.0	1.0
-003	BOW8B3	% Solids	92.4	%	0.01	1.0
		Chloride by IC	4.2	MG/KG	1.4	1.0
		Fluoride by IC	2.7	u	MG/KG 2.7	1.0
		Nitrite by IC	1.4	u	MG/KG 1.4	1.0
		Nitrate by IC	64		MG/KG 5.4	4.0
		Cyanide, Total	0.54	u	MG/KG 0.54	1.0
		Phosphate by IC	1.4	u	MG/KG 1.4	1.0
		Chromium VI	0.43	u	MG/KG 0.43	1.0
		Sulfate by IC	60.8		MG/KG 5.4	4.0
		Nitrate Nitrite	14.3		MG/KG 1.1	5.0
		Ammonia, as N	1.3	u	MG/KG 1.3	1.0
		pH	9.1		SOIL PH 0.0	1.0

## Recra LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 9908L930

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-003	BOW8B3	Sulfide	1.1	u MG/KG	1.1	1.0
-004	BOW894	% Solids	95.0	%	0.01	1.0
		Chloride by IC	1.8	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u MG/KG	2.6	1.0
		Nitrite by IC	1.3	u MG/KG	1.3	1.0
		Nitrate by IC	43	MG/KG	1.3	1.0
		Cyanide, Total	0.53	u MG/KG	0.53	1.0
		Phosphate by IC	4.3	MG/KG	1.3	1.0
		Chromium VI	0.42	u MG/KG	0.42	1.0
		Sulfate by IC	81.2	MG/KG	2.6	2.0
		Nitrate Nitrite	10.3	MG/KG	0.21	1.0
		Ammonia, as N	1.3	u MG/KG	1.3	1.0
		pH	8.8	SOIL PH	0.0	1.0
		Sulfide	1.1	u MG/KG	1.1	1.0
-005	BOW895	% Solids	94.9	%	0.01	1.0
		Chloride by IC	1.9	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u MG/KG	2.6	1.0
		Nitrite by IC	1.3	u MG/KG	1.3	1.0
		Nitrate by IC	47	MG/KG	1.3	1.0
		Cyanide, Total	0.53	u MG/KG	0.53	1.0
		Phosphate by IC	5.6	MG/KG	1.3	1.0
		Chromium VI	0.42	u MG/KG	0.42	1.0
		Sulfate by IC	57.7	MG/KG	2.6	2.0
		Nitrate Nitrite	9.7	MG/KG	0.21	1.0
		Ammonia, as N	1.3	u MG/KG	1.3	1.0
		pH	8.9	SOIL PH	0.0	1.0
		Sulfide	4.0	MG/KG	1.1	1.0
-006	BOW896	% Solids	94.6	%	0.01	1.0
		Chloride by IC	2.0	MG/KG	1.3	1.0
		Fluoride by IC	2.7	MG/KG	2.6	1.0
		Nitrite by IC	1.3	u MG/KG	1.3	1.0
		Nitrate by IC	47	MG/KG	1.3	1.0
		Cyanide, Total	0.53	u MG/KG	0.53	1.0
		Phosphate by IC	4.7	MG/KG	1.3	1.0
		Chromium VI	0.42	u MG/KG	0.42	1.0
		Sulfate by IC	108	MG/KG	5.3	4.0
		Nitrate Nitrite	9.7	MG/KG	0.20	1.0

## Recra LabNet - Lionville

## INORGANICS DATA SUMMARY REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 9908L930

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-006	BOW896	Ammonia, as N	1.6	MG/KG	1.3	1.0
		pH	8.1	SOIL PH	0.0	1.0
		Sulfide	1.1	u MG/KG	1.1	1.0
-007	BOW897	% Solids	95.9	%	0.01	1.0
		Chloride by IC	2.0	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u MG/KG	2.6	1.0
		Nitrite by IC	1.3	u MG/KG	1.3	1.0
		Nitrate by IC	48	MG/KG	1.3	1.0
		Cyanide, Total	0.52	u MG/KG	0.52	1.0
		Phosphate by IC	3.0	MG/KG	1.3	1.0
		Chromium VI	0.42	u MG/KG	0.42	1.0
		Sulfate by IC	121	MG/KG	2.6	2.0
		Nitrate Nitrite	8.9	MG/KG	0.21	1.0
		Ammonia, as N	1.3	u MG/KG	1.3	1.0
		pH	9.2	SOIL PH	0.0	1.0
		Sulfide	3.9	MG/KG	1.0	1.0
-008	BOW898	% Solids	96.2	%	0.01	1.0
		Chloride by IC	1.9	MG/KG	1.3	1.0
		Fluoride by IC	2.6	u MG/KG	2.6	1.0
		Nitrite by IC	1.3	u MG/KG	1.3	1.0
		Nitrate by IC	31	MG/KG	1.3	1.0
		Cyanide, Total	0.52	u MG/KG	0.52	1.0
		Phosphate by IC	1.7	MG/KG	1.3	1.0
		Chromium VI	0.42	u MG/KG	0.42	1.0
		Sulfate by IC	41.6	MG/KG	1.3	1.0
		Nitrate Nitrite	8.0	MG/KG	0.21	1.0
		Ammonia, as N	1.3	u MG/KG	1.3	1.0
		pH	9.6	SOIL PH	0.0	1.0
		Sulfide	1.0	u MG/KG	1.0	1.0

## Recra LabNet - Lionville

## INORGANICS METHOD BLANK DATA SUMMARY PAGE 12/13/99

CLIENT: TNU-HANFORD B99-078

RECRA LOT #: 9908L930

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	REPORTING			DILUTION FACTOR
			RESULT	UNITS	LIMIT	
BLANK10	99LIC080-MB1	Chloride by IC	1.2	u MG/KG	1.2	1.0
		Fluoride by IC	2.5	u MG/KG	2.5	1.0
		Nitrite by IC	1.2	u MG/KG	1.2	1.0
		Nitrate by IC	1.2	u MG/KG	1.2	1.0
		Phosphate by IC	1.2	u MG/KG	1.2	1.0
		Sulfate by IC	1.2	u MG/KG	1.2	1.0
BLANK1	99LC099-MB1	Cyanide, Total	0.50	u MG/KG	0.50	1.0
BLANK10	99LVI061-MB1	Chromium VI	0.40	u MG/KG	0.40	1.0
BLANK10	99LN3B45-MB1	Nitrate Nitrite	0.20	u MG/KG	0.20	1.0
BLANK10	99LN3058-MB1	Nitrate Nitrite	0.20	u MG/KG	0.20	1.0
BLANK10	99LAM035-MB1	Ammonia, as N	1.2	u MG/KG	1.2	1.0
BLANK10	99LSD042-MB1	Sulfide	1.0	u MG/KG	1.0	1.0
BLANK10	99LC102A-MB1	Cyanide, Total	0.50	u MG/KG	0.50	1.0

## Recra LabNet - Lionville

INORGANICS ACCURACY REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

RECRA LOT #: 9908L930

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RRCOV	DILUTION FACTOR(SPK)
-001	BOW899	Chloride by IC	28.0	1.9	25.9	100.6	1.0
		Chloride by IC MSD	28.6	1.9	25.9	103.1	1.0
		Fluoride by IC	58.3	0.44	51.8	111.8	1.0
		Fluoride by IC MSD	58.2	0.44	51.8	111.6	1.0
		Nitrite by IC	27	1.3 u	26	104.5	1.0
		Nitrite by IC MSD	27	1.3 u	26	106.2	1.0
		Nitrate by IC	51	23	26	110.2	1.0
		Nitrate by IC MSD	52	23	26	112.0	1.0
		Phosphate by IC	27.7	1.4	25.9	101.7	1.0
		Phosphate by IC MSD	27.8	1.4	25.9	102.0	1.0
		Sulfate by IC	48.4	19.8	25.9	110.5	1.0
		Sulfate by IC MSD	48.4	19.8	25.9	110.5	1.0
		Nitrate Nitrite	106	5.2	103	97.4	20.0
		Ammonia, as N	102	1.3 u	101	101.5	1.0
		Ammonia, as N MSD	105	1.3 u	101	103.8	1.0
-002	BOW8B2	Cyanide, Total	5.0	0.52u	5.2	96.0	1.0
-008	BOW898	Soluble Chromium VI	3.9	0.42u	4.2	98.7	1.0
		Insoluble Chromium VI	1200	0.42u	1180	101.9	100
		Sulfide	377	0.0	397	95.0	1.0
		Sulfide MSD	352	0.0	397	88.6	1.0
BLANK10	99LIC080-MB1	Chloride by IC	24.3	1.2 u	25.0	97.3	1.0
		Fluoride by IC	53.3	2.5 u	50.0	106.6	1.0
		Nitrite by IC	24	1.2 u	25	97.5	1.0
		Nitrate by IC	24	1.2 u	25	97.9	1.0
		Phosphate by IC	25.8	1.2 u	25.0	103.1	1.0
		Sulfate by IC	24.0	1.2 u	25.0	96.2	1.0
BLANK10	99LVI061-MB1	Soluble Chromium VI	4.0	0.40u	4.0	99.0	1.0
		Insoluble Chromium VI	1120	0.40u	1160	96.1	100
BLANK10	99LN3B45-MB1	Nitrate Nitrite	5.1	0.20u	5.0	102.4	1.0
		Nitrate Nitrite MSD	5.2	0.20u	5.0	103.0	1.0
BLANK10	99LN3058-MB1	Nitrate Nitrite	5.0	0.20u	5.0	100	1.0
BLANK10	99LAM035-MB1	Ammonia, as N	52.4	1.2 u	50.0	104.8	1.0
		Ammonia, as N MSD	52.6	1.2 u	50.0	105.2	1.0
BLANK10	99LSD042-MB1	Sulfide	9.4	1.0 u	10.0	94.0	1.0
		Sulfide MSD	9.1	1.0 u	10.0	91.0	1.0

Recra LabNet - Lionville

INORGANICS DUPLICATE SPIKE REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 9908L930

SAMPLE	SITE ID	ANALYTE	SPIKE#1	SPIKE#2	%DIFF
			%RECOV	%RECOV	
-001	BOW899	Chloride by IC	100.6	103.1	2.4
		Fluoride by IC	111.8	111.6	0.20
		Nitrite by IC	104.5	106.2	1.7
		Nitrate by IC	110.2	112.0	1.6
		Phosphate by IC	101.7	102.0	0.36
		Sulfate by IC	110.5	110.5	0.017
		Ammonia, as N	101.5	103.8	2.2
-008	BOW898	Sulfide	95.0	88.6	6.9
BLANK10	99LN3B45-MB1	Nitrate Nitrite	102.4	103.0	0.58
BLANK10	99LAM035-MB1	Ammonia, as N	104.8	105.2	0.48
BLANK10	99LSD042-MB1	Sulfide	94.0	91.0	3.2

## Recra LabNet - Lionville

## INORGANICS PRECISION REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

RECRA LOT #: 9908L930

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	INITIAL			DILUTION FACTOR (REP)
			RESULT	REPLICATE	RPD	
-001REP	BOW899	Chloride by IC	1.9	2.0	3.7	1.0
		Fluoride by IC	2.6 u	2.6 u	NC	1.0
		Nitrite by IC	1.3 u	1.3 u	NC	1.0
		Nitrate by IC	23	23	0.61	1.0
		Phosphate by IC	1.4	1.3 u	NC	1.0
		Sulfate by IC	19.8	19.6	0.60	1.0
		Nitrate Nitrite	5.2	3.1	51.2	1.0
		Ammonia, as N	1.3 u	1.3 u	NC	1.0
-002REP	BOW882	Cyanide, Total	0.52u	0.52u	NC	1.0
-008REP	BOW898	% Solids	96.2	96.5	0.23	1.0
		Chromium VI	0.42u	0.42u	NC	1.0
		pH	9.6	9.6	0.0	1.0
		Sulfide	1.0 u	1.0 u	NC	1.0

## Recra LabNet - Lionville

## INORGANICS LABORATORY CONTROL STANDARDS REPORT 12/13/99

CLIENT: TNU-HANFORD B99-078

RCRA LOT #: 9908L930

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED	SPIKED	UNITS	%RECOV
			SAMPLE	AMOUNT		
LCS1	99LC099-LC1	Cyanide, Total LCS	1.9	2.0	MG/KG	93.5
LCS2	99LC099-LC2	Cyanide, Total LCS	9.5	10	MG/KG	94.8
LCS10	99LC102A-LC1	Cyanide, Total LCS	1.9	2.0	MG/KG	93.9
LCS20	99LC102A-LC2	Cyanide, Total LCS	9.1	10	MG/KG	90.6

Recra LabNet - Lionville Laboratory  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT #: 9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
<b>BOW899</b>						
% SOLIDS	001	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
CHLORIDE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
CHLORIDE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
CHLORIDE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	001	S	99LC099	08/27/99	09/06/99	09/06/99
PHOSPHATE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
PHOSPHATE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
PHOSPHATE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
PHOSPHATE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	001	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	001	S	99LIC080	08/27/99	09/25/99	09/25/99
SULFATE BY IC	001 REP	S	99LIC080	08/27/99	09/25/99	09/25/99
SULFATE BY IC	001 MS	S	99LIC080	08/27/99	09/25/99	09/25/99
SULFATE BY IC	001 MSD	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	001	S	99LN3B45	08/27/99	09/16/99	09/17/99
NITRATE NITRITE	001 REP	S	99LN3058	08/27/99	12/07/99	12/07/99
NITRATE NITRITE	001 MS	S	99LN3058	08/27/99	12/07/99	12/07/99
AMMONIA	001	S	99LAM035	08/27/99	09/15/99	09/15/99
AMMONIA	001 REP	S	99LAM035	08/27/99	09/15/99	09/15/99
AMMONIA	001 MS	S	99LAM035	08/27/99	09/15/99	09/15/99
AMMONIA	001 MSD	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	001	S	99LPH099	08/27/99	09/15/99	09/15/99

Recra LabNet - Lionville Laboratory  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT # :9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
SULFIDE	001	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW8B2</b>						
% SOLIDS	002	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	002	S	99LC099	08/27/99	09/06/99	09/06/99
TOTAL CYANIDE	002 REP	S	99LC099	08/27/99	09/06/99	09/06/99
TOTAL CYANIDE	002 MS	S	99LC099	08/27/99	09/06/99	09/06/99
PHOSPHATE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	002	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	002	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	002	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	002	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	002	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	002	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW8B3</b>						
% SOLIDS	003	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	003	S	99LC102A	08/27/99	09/09/99	09/10/99
PHOSPHATE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	003	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	003	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	003	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	003	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	003	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	003	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW894</b>						
% SOLIDS	004	S	99L%S121	08/27/99	09/02/99	09/03/99

Recra LabNet - Lionville Laboratory  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT # :9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CHLORIDE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	004	S	99LC099	08/27/99	09/06/99	09/06/99
PHOSPHATE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	004	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	004	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	004	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	004	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	004	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	004	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW895</b>						
% SOLIDS	005	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	005	S	99LC099	08/27/99	09/06/99	09/06/99
PHOSPHATE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	005	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	005	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	005	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	005	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	005	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	005	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW896</b>						
% SOLIDS	006	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	006	S	99LC099	08/27/99	09/06/99	09/06/99
PHOSPHATE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99

Recra LabNet - Lionville Laboratory  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT #: 9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CHROMIUM VI	006	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	006	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	006	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	006	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	006	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	006	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW897</b>						
% SOLIDS	007	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	007	S	99LC102A	08/27/99	09/09/99	09/10/99
PHOSPHATE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	007	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	007	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE NITRITE	007	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	007	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	007	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	007	S	99LSD042	08/27/99	09/02/99	09/02/99
<b>BOW898</b>						
% SOLIDS	008	S	99L%S121	08/27/99	09/02/99	09/03/99
% SOLIDS	008 REP	S	99L%S121	08/27/99	09/02/99	09/03/99
CHLORIDE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99
FLUORIDE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRITE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99
NITRATE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99
TOTAL CYANIDE	008	S	99LC102A	08/27/99	09/09/99	09/10/99
PHOSPHATE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99
CHROMIUM VI	008	S	99LVI061	08/27/99	09/07/99	09/07/99
CHROMIUM VI	008 REP	S	99LVI061	08/27/99	09/07/99	09/07/99
CHROMIUM VI	008 MS	S	99LVI061	08/27/99	09/07/99	09/07/99
CHROMIUM VI	008 MSD	S	99LVI061	08/27/99	09/07/99	09/07/99
SULFATE BY IC	008	S	99LIC080	08/27/99	09/25/99	09/25/99

Recra LabNet - Lionville Laboratory  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT #: 9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
NITRATE NITRITE	008	S	99LN3B45	08/27/99	09/16/99	09/17/99
AMMONIA	008	S	99LAM035	08/27/99	09/15/99	09/15/99
PH	008	S	99LPH099	08/27/99	09/15/99	09/15/99
PH	008 REP	S	99LPH099	08/27/99	09/15/99	09/15/99
SULFIDE	008	S	99LSD042	08/27/99	09/02/99	09/02/99
SULFIDE	008 REP	S	99LSD042	08/27/99	09/02/99	09/02/99
SULFIDE	008 MS	S	99LSD042	08/27/99	09/02/99	09/02/99
SULFIDE	008 MSD	S	99LSD042	08/27/99	09/02/99	09/02/99

LAB QC:

---

CHLORIDE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
CHLORIDE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
FLUORIDE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
FLUORIDE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
NITRITE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
NITRITE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
NITRATE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
NITRATE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
TOTAL CYANIDE	LC1 L	S	99LC099	N/A	09/06/99	09/06/99
TOTAL CYANIDE	LC2 L	S	99LC099	N/A	09/06/99	09/06/99
TOTAL CYANIDE	MB1	S	99LC099	N/A	09/06/99	09/06/99
PHOSPHATE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
PHOSPHATE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
CHROMIUM VI	MB1	S	99LVI061	N/A	09/07/99	09/07/99
CHROMIUM VI	MB1 BS	S	99LVI061	N/A	09/07/99	09/07/99
CHROMIUM VI	MB1 BSD	S	99LVI061	N/A	09/07/99	09/07/99
SULFATE BY IC	MB1	S	99LIC080	N/A	09/25/99	09/25/99
SULFATE BY IC	MB1 BS	S	99LIC080	N/A	09/25/99	09/25/99
NITRATE NITRITE	MB1	S	99LN3B45	N/A	09/17/99	09/17/99
NITRATE NITRITE	MB1 BS	S	99LN3B45	N/A	09/17/99	09/17/99
NITRATE NITRITE	MB1 BSD	S	99LN3B45	N/A	09/17/99	09/17/99
NITRATE NITRITE	MB1	S	99LN3058	N/A	12/07/99	12/07/99
NITRATE NITRITE	MB1 BS	S	99LN3058	N/A	12/07/99	12/07/99
AMMONIA	MB1	S	99LAM035	N/A	09/15/99	09/15/99
AMMONIA	MB1 BS	S	99LAM035	N/A	09/15/99	09/15/99
AMMONIA	MB1 BSD	S	99LAM035	N/A	09/15/99	09/15/99
SULFIDE	MB1	S	99LSD042	N/A	09/02/99	09/02/99

Recra LabNet - Lionville Laboratory  
INORGANIC ANALYTICAL DATA PACKAGE FOR  
TNU-HANFORD B99-078

DATE RECEIVED: 08/31/99

RFW LOT # : 9908L930

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
SULFIDE	MB1 BS	S	99LSD042	N/A	09/02/99	09/02/99
SULFIDE	MB1 BSD	S	99LSD042	N/A	09/02/99	09/02/99
TOTAL CYANIDE	LC1 L	S	99LC102A	N/A	09/09/99	09/10/99
TOTAL CYANIDE	LC2 L	S	99LC102A	N/A	09/09/99	09/10/99
TOTAL CYANIDE	MB1	S	99LC102A	N/A	09/09/99	09/10/99

THIS PAGE INTENTIONALLY  
LEFT BLANK

## Custody Transfer Record/Lab Work Request Page 1 of 1

9908L930

**ALL** FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS (8) *permeate metals  
wet lab*

Client TNU-Hanford B99-078  
 Est. Final Proj. Sampling Date \_\_\_\_\_  
 Project # 10985-001-001-9999-00  
 Project Contact/Phone # \_\_\_\_\_  
 RECRA Project Manager AJ  
 QC Spec Spec Del std TAT 30 days  
 Date Rec'd 8/31/99 Date Due 9/30/99  
 Account # \_\_\_\_\_

Refrigerator #	1	6-1	6	6	6
	Liquid				
	Solid	1g 1g-1		1g	1g 1g
	Liquid				
Volume	Solid	250 500-1		500	250 LTR
	Liquid				
	Solid				
	Preservatives				
ANALYSES REQUESTED →	ORGANIC			INORG	
	VOA	BNA	Pest/PCB	Herb	Metal
					CN

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)	RECRA LabNet Use Only			
				Matrix	Date Collected	Time Collected	Met①
				MS	MSD		0624H
S - Soil	001	BOW899	S	8/27/99	0910	✓	0624H
SE - Sediment	2	Ba			0926	✓	0625H
SO - Solid	3	B3			0945	✓	0626
SL - Sludge	4	94			0748		
W - Water	5	95			0750		
O - Oil	6	96			0820		
A - Air	7	97			0836		
DS - Drum Solids	8	98			0854	—	Met①
DL - Drum Liquids						—	✓
L - EP/TCLP Leachate						—	✓
WI - Wipe						—	✓
X - Other						—	—
F - Fish						—	—

Met① = As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, V, Zn, Hg, ICRG

DATE/REVISIONS:

Run matrix QC

Ang② = ICEL, ICFL, ICNO<sub>2</sub>, ICNO<sub>3</sub>, ICPo<sub>4</sub>,ICSO<sub>4</sub>, ISFD, INH3N, ICNTD, IN3NZ

\* 423579528808 - 4.2°C

5. 423579528819 - 4.7°C

6. 423579528820 - 5.8°C

Special Instructions:

Ref# B99-078

9/2/99 added IN3NZ to all samples

COMPOSITE WASTE

OGCSC = 1-propanol, ethanol

Relinquished by	Received by	Date	Time
GeoEx	D. Smith	8-31-99	0930

Relinquished by	Received by	Date	Time
	Original Rewritten		

Discrepancies Between  
Samples Labels and  
COC Record? Y or N  
NOTES:

RECRA LabNet Use Only

- Samples were \_\_\_\_\_ COC Tape was: \_\_\_\_\_  
 1) Shipped  or Hand Delivered   
 2) Unbroken on Outer Package  or N  
 3) Present on Sample  or N  
 4) Unbroken on Sample  or N  
 COC Record Present Upon Sample Rec'd  or N  
 Cooler Temp. \_\_\_\_\_ °C  
 5) Received Within Holding Times  or N

11/3/99  
SB and TL added to all metals  
samples per client

## CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B99-078-103

Page 1 of 21  
8/27/99

Collector Bowers/Porter/Nielson	Company Contact Chris Cearlock	Telephone No. 372-9574	Project Coordinator TRENT, SJ	Price Code 8N  Data Turnaround 45 Days
Project Designation 200 Area Source characterization - 200-CW-I OU	Sampling Location GP-8 >15' bgs	SAF No. B99-078		
Ice Chest No. SML - 579	Field Logbook No. EL-1511	Method of Shipment Federal Express		
Shipped To TMA/RECRA 8/28 8-27-99	Offsite Property No. A99 0234	Bill of Lading/Air Bill No. 4235 7952 8820 8/28 8-27-99		
		COA # 800 B20Cw1 671C		

POSSIBLE SAMPLE HAZARDS/REMARKS  G908L930	Preservation	None	None	None	None	Cool 4C	None	Cool 4C	None	Cool 4C	None
	Type of Container	aG	aG	aG	aG	aG	aG	aG	aG	aG	aG
	No. of Container(s)	1	1	1	1	1	1	1	1	1	1
Special Handling and/or Storage	Volume	60mL	60mL	60mL	120mL	250mL	250mL	500mL	500mL	1000mL	1000mL

SAMPLE ANALYSIS				Isotopic Uranium	Nickel-63	Technetium-99	Tritium - H3	VOA - #260A (TCL); VOA - #260A (Add-On) (-Propanol, Ethanol)	pH (Soil) - 9045	Semi-VOA - #270A (TCL); TPH-Diesel Range - WTPH-D; PCBs - 8082	See item (1) in Special Instructions	See item (2) in Special Instructions	See item (3) in Special Instructions
Sample No.	Matrix *	Sample Date	Sample Time										
BOW8B2	Soil	8-27-99	0926					X	X	X	X		
BOW8B3	Soil	8-27-99	0945					X	X	X	X		
BOW8B4	Soil												
BOW8B5	Soil		8-28-99										
BOW8B6	Soil												

CHAIN OF POSSESSION	Sign/Print Names			SPECIAL INSTRUCTIONS				Matrix *
Relinquished By Brent Ritter 8/27/99 12:00	Received By Refer IRB	Date/Time 8/27/99 13:00		See chain of custody comments on SAF B99-078.	<i>COLLECTOR NOT AVAILABLE TO SIGN CX</i>			
Relinquished By Refer IRB 8/30/99 11:00	Received By Chris	Date/Time 8/30/99 11:00		(1) ICP Metals - 6010A (Supertrace) {Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Vanadium, Zinc}; Mercury - 7471-(CV); Chromium Hex - 7196	(2) NO2/NO3 - 353.1; JC Anions - 300.0 {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate}; Sulfides - 9030; Ammonia - 350.3; Total Cyanide - 9010			
Relinquished By Chris 8/30/99 14:00	Received By FEDEX	Date/Time 8/30/99 14:00		(3) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Americium-241}; Strontium-89,90 -- Total Sr; Total Uranium {Uranium}; Isotopic Plutonium; Isotopic Thorium {Thorium-232}; Americium-241	430 BOW5L8 to ship			
Relinquished By D. Smith 8-31-99/0930	Received By D. Smith	Date/Time 8-31-99/0930	Title					

LABORATORY SECTION	Received By	Date/Time	Disposed By	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method			

Collector Bowers/Porter/Nielson	Company Contact Chris Gearlock	Telephone No. 372-9574	Project Coordinator TRENT, SJ	Price Code 8N	Data Turnaround 45 Days
Project Designation 200 Area Source characterization - 200-CW-1 OU	Sampling Location GP-8 <15' bgs	SAF No. B99-078			
Ice Chest No. <i>ERC - 96 - 060 / 047</i>	Field Logbook No. FL-1511	Method of Shipment Federal Express			
Shipped To <i>TMARECRA</i> <i>8-27-99</i>	Offsite Property No. <i>A990233</i>	Bill of Lading/Air Bill No. <i>42357952 8505</i>			
		COA <i>B990233 671C</i>			

POSSIBLE SAMPLE HAZARDS/REMARKS  Special Handling and/or Storage	Preservation	None	Cool 4C	None	Cool 4C	None	Cool 4C	None		
	Type of Container	aG	aG	aG	aG	aG	aG	aG		
	No. of Container(s)	1	1	1	1	1	1	1		
	Volume	60mL	250mL	250mL	500mL	500mL	1000mL	1000mL		

## SAMPLE ANALYSIS

				Isotopic Uranium	pH (Soil) - 9045	Semi-VOA - 8270A (TCL); TPH-Diesel Range - WTPH-D; PCBs - 8082	See item (1) in Special Instructions.	See item (2) in Special Instructions.	See item (3) in Special Instructions.	
004	Sample No. BOW894	Matrix * Soil	Sample Date 8-27-99	Sample Time 0748	X X X X X					Bowers
005	BOW895	Soil	8-27-99	0750	X X X X X					Bowers
006	BOW896	Soil	8-27-99	0820	X X X X X					Bowers
007	BOW897	Soil	8-27-99	0835	X X X X X					Bowers
008	BOW898	Soil	8-27-99	0854	X X X X X					Bowers

CHAIN OF POSSESSION	Sign/Print Names		SPECIAL INSTRUCTIONS	Matrix *
Relinquished By <i>Brent Port</i>	Date/Time 8/27/99 1300	Received By <i>Refer J.B</i>	See chain of custody comments on SAF B99-078. <i>COLLECTOR NOT AVAILABLE TO SIGN COA</i>	Soil Water Vapor Other Solid Other Liquid
Relinquished By <i>DEPP</i>	Date/Time 8/30/99 11:00	Received By <i>CTRIE/CJH</i>	(1) ICP Metals - 6010A (Supertrace) {Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Vanadium, Zinc}; Mercury - 7471 - (CV); Chromium Hex - 7196 (2) NO2/NO3 - 353.1; IC Anions - 300.0 {Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate}; Sulfides - 9030; Ammonia - 350.3; Total Cyanide - 9010 (3) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Americium-241}; Strontium-89,90 -- Total Sr; Total Uranium {Uranium}; Isotopic Plutonium; Isotopic Thorium {Thorium-232}; Americium-241	
Relinquished By <i>CTRIE/CJH</i>	Date/Time 8/30/99 14:00	Received By <i>FEDEX</i>		
Relinquished By <i>Geo Ex</i>	Date/Time 8/31/99/0530	Received By <i>J.Smith</i>		
LABORATORY SECTION	Received By Title		Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time	